

VT25 & VT28

Voltage Testers

Technical Data



Key features

- AC/DC LED voltage indication
- Continuity test – LED & buzzer
- Single pole phase test
- Phase rotation test
- White LED torch light
- BS EN61243-3 & GS38 compliant

Additional features VT28

- LCD display

	VT25	VT28
LED Voltage Indication	12-690V AC/DC	12-690V AC/DC
LCD Voltage Indication		10V-690V (DC, 16Hz-400Hz)
Continuity (LED + Buzzer)	✓	✓
Phase Rotation	✓	✓
Single Pole Test	✓	✓
LED Torch	✓	✓
BS EN 61010-1 Safety Rating	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V
GS38 Compliant	✓	✓

The Martindale VT25 and VT28 are compact two pole testers for measuring AC/DC voltages from 12V to 690V. Additional capabilities include continuity and phase rotation testing plus single pole voltage detection. Auto power-off ensures a long battery lifetime.

AC/DC voltage detection, continuity and phase rotation functions all have bright LED indication. In addition to the 7 LED voltage thresholds, the VT28 also displays voltage values on a 25mm x 15mm LCD display.

Both voltage testers conform to the latest safety standards and includes removable probe caps for GS38 compliance. Additional safety features include a 1.2m double insulated cable with a black outer and contrasting inner core to give a visual warning of any damage.

A built-in white LED torch close to the probe tips makes it easy to use in low light environments.



Keeping You Safe

VT25 VT28

Voltage Testers

Specifications

FUNCTION	VT25	VT28
ELECTRICAL		
Maximum working voltage	690V DC & AC rms	
Nominal voltage threshold indications	12, 24, 50, 120, 230, 690V AC/DC	
Nominal voltage threshold tolerance	Conforms to BS EN 61243-3:2014	
Internal impedance at ELV AC	260kΩ	
Polarity indication	from 12V DC/AC rms	
Range detection	automatic	
Response time	<1s to 100% of each nominal voltage	
Frequency range	DC, 16 to 400Hz	
Test current (I _n)	<3.5mA	
Duty ratio	30s ON (operated) / 240s OFF (recovery)	
Overvoltage protection	690V DC or AC rms	
DIGITAL VOLTMETER		
Voltage range	10V to 690V (DC, 16 to 400Hz)	
Resolution	0.1V	
Accuracy	± (3% + 5 digits)	
SINGLE POLE PHASE TEST		
Voltage range	100 to 690V AC rms	
Frequency range	50 to 60Hz	
PHASE ROTATION TEST		
Voltage range	120 to 400V AC rms (phase to earth)	
Frequency range	50 to 60Hz	
CONTINUITY		
Resistance range	0 to 500kΩ + 50%	
Test current	3μA	
Overvoltage protection	690V DC or AC rms	
ENVIRONMENTAL		
Temperature (Operating)	-10°C to 55°C	
Temperature (Storage)	-20°C to 70°C, Non condensing	
Humidity (Operating & Storage)	≤ 85% R.H	
Altitude	up to 2000m	
Pollution degree	2	
GENERAL		
Power	2 x 1.5V, AAA alkaline batteries (IEC LR03, NEDA 24A)	
Battery consumption	80mA max.	
Dimensions	285(L) x 72(W) x 41(D) mm	
Weight	250g	
SAFETY		
Conforms to	BS EN 61243-3, BS EN 61010-1 CAT IV 600V, CAT III 1000V	
	Class II, double insulation	
IP rating	IP64 to BS EN 60529	
	GS38 compliance (with probe covers fitted)	
EMC		
Conforms to	BS EN 31326-1	

Included

VT25: 2 x probe tip covers, 2 x 1.5V AAA batteries and instruction manual
VT28: 2 x probe tip covers, 2 x 1.5V AAA batteries and instruction manual

Related products

TC52 carry case
 PD690S 690V proving unit
 PD690SX 690V proving unit with CALCHECK

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